

## **ABSTRACT**

A memory device driver is described that can support multiple differing memory devices, in particular, differing Flash memory devices, by being internally re-configurable to match the driving and management requirements of the particular memory device. This allows for a limited number of operating system versions to be produced and maintained for a given system by the manufacturer, reducing the possibility of misconfiguration of the system/device by the inadvertent updating or programming of the wrong operating system version by an end user or service personnel. The resulting driver routine and/or operating system is also typically smaller than operating systems/drivers that compile in or load multiple separate drivers into themselves. In one embodiment of the present invention, the software driver is automatically configures itself by querying the memory device for a device ID and/or manufacturer code or by detecting a specific characteristic of the memory device being driven.